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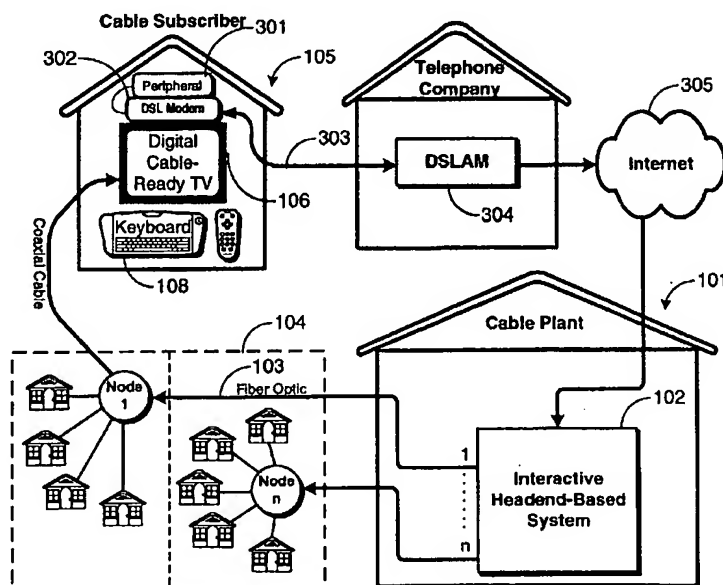
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[Continued on next page]

(54) Title: PERIPHERAL UNIT FOR UPSTREAM CABLE TELEVISION SYSTEM COMMUNICATION



(57) Abstract: A device and method for an interactive cable television system is described. A hardware peripheral device is associated with a modem in communication with a computer network. The peripheral device receives data from a user for communication via the computer network to a cable television network head end to control a television information signal delivered from the cable television network directly to a user television.



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 A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/39583 A (BELLSOUTH CORP) 23 October 1997 (1997-10-23) page 2, line 26 - line 27 page 3, line 17 - line 23 page 4, line 21 - line 29 page 17, lines 14-16 page 25, line 14 - page 26, line 36 figures 5a, 5b	1-30
X	WO 99/56468 A (BELLSOUTH INTELLECT PTY CORP) 4 November 1999 (1999-11-04) page 4, line 22 - line 25 page 19, line 7 - line 17 page 19, line 25 - line 28 page 20, line 12 - line 25 page 21, line 16 - line 27 page 18, line 26 - page 19, line 1 figure 3	1-30
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☒ Patent family members are listed in annex.

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P document published prior to the international filing date but later than the priority date claimed

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/095689 A1 (NOVAK ROBERT E) 18 July 2002 (2002-07-18) paragraphs '0061!, '0066! - '0068! -----	4,5,10, 11,16, 17,22, 23,28,29
A	WO 99/35840 A (HARRISON EDWARD R ; THROCKMORTON JOHN A (US); CALL DALE R (US); INTEL) 15 July 1999 (1999-07-15) page 15, line 5 - line 19 page 19, line 18 - line 26 page 25, line 12 - line 28 -----	1-4, 7-10, 13-16, 19-22, 25-28

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9739583	A	23-10-1997	US 6253235 B1	26-06-2001
			AU 734387 B2	14-06-2001
			AU 2669397 A	07-11-1997
			CA 2251698 A1	23-10-1997
			EP 0894402 A2	03-02-1999
			IL 126574 A	10-11-2002
			JP 2000505635 T	09-05-2000
			KR 2000005530 A	25-01-2000
			NO 984839 A	16-12-1998
			PL 329373 A1	29-03-1999
			WO 9739583 A1	23-10-1997
WO 9956468	A	04-11-1999	AU 3002499 A	16-11-1999
			CA 2330031 A1	04-11-1999
			EP 1075763 A1	14-02-2001
			TW 468345 B	11-12-2001
			WO 9956468 A1	04-11-1999
US 2002095689	A1	18-07-2002	WO 02056588 A1	18-07-2002
WO 9935840	A	15-07-1999	US 6209132 B1	27-03-2001
			AU 2208999 A	26-07-1999
			EP 1053642 A1	22-11-2000
			JP 2002501347 T	15-01-2002
			TW 401706 B	11-08-2000
			WO 9935840 A1	15-07-1999
			US 6064420 A	16-05-2000
			US 6249914 B1	19-06-2001
			US 2004045039 A1	04-03-2004
			US 2001016942 A1	23-08-2001